ABSTRACT

A method for physical automatic repeat request by a subscriber unit. A physical layer at the transmitter receives data and formats the received data into packets having a particular encoding/data modulation. The physical layer contains n channels which transmit the packets and retransmits packets upon failure to receive a corresponding acknowledgment for a given packet. An adaptive modulation and coding controller in the transmitter collects retransmission statistics and adjusts the particular encoding/data modulations using the collected statistics.